

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P316478

Luminaire Tested: **GAN-SA4B-740-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316478
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA4B-740-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24217 lumens
Efficiency: N/A
Efficacy: 141.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

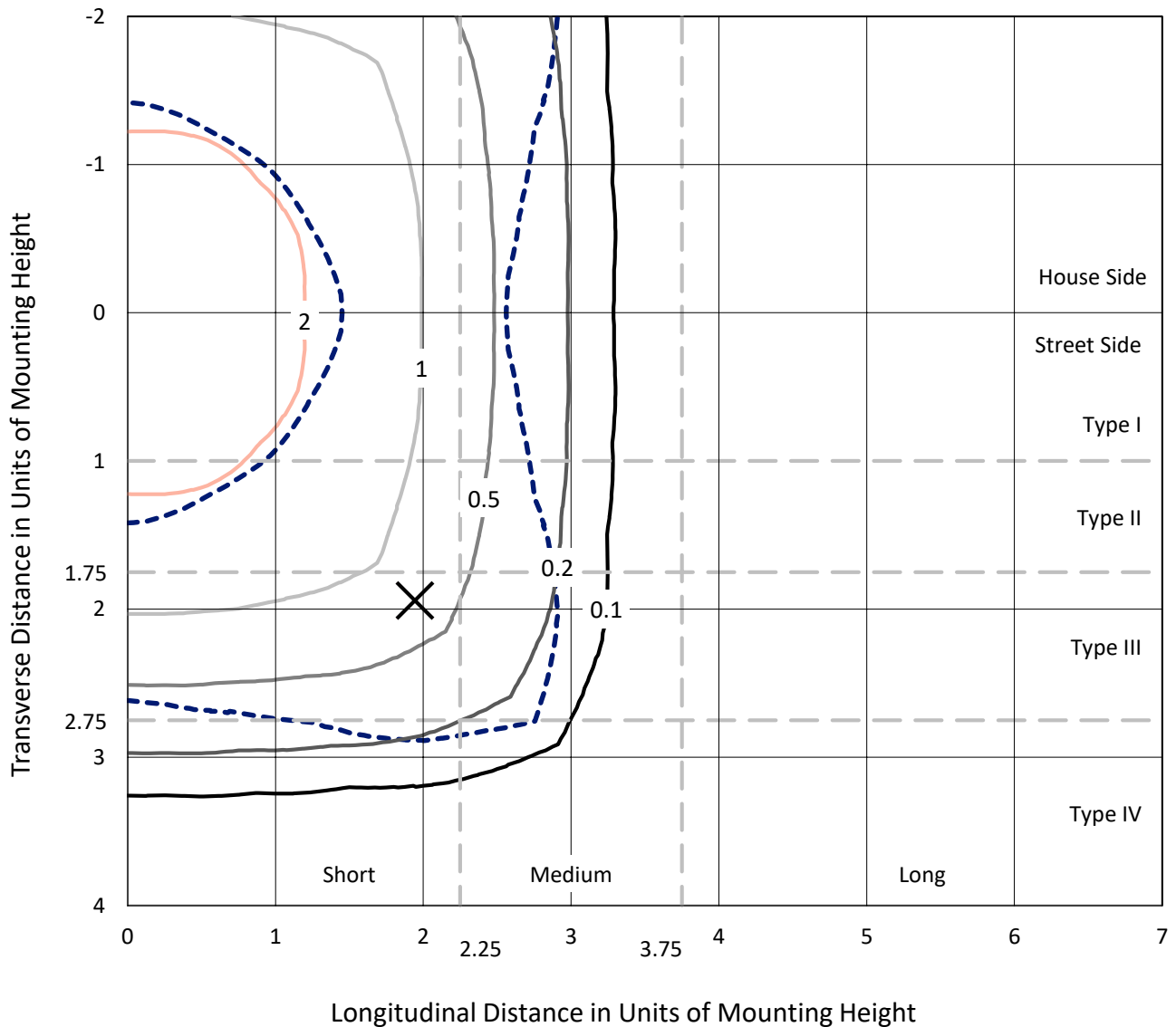
Input Watts (W): 171
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

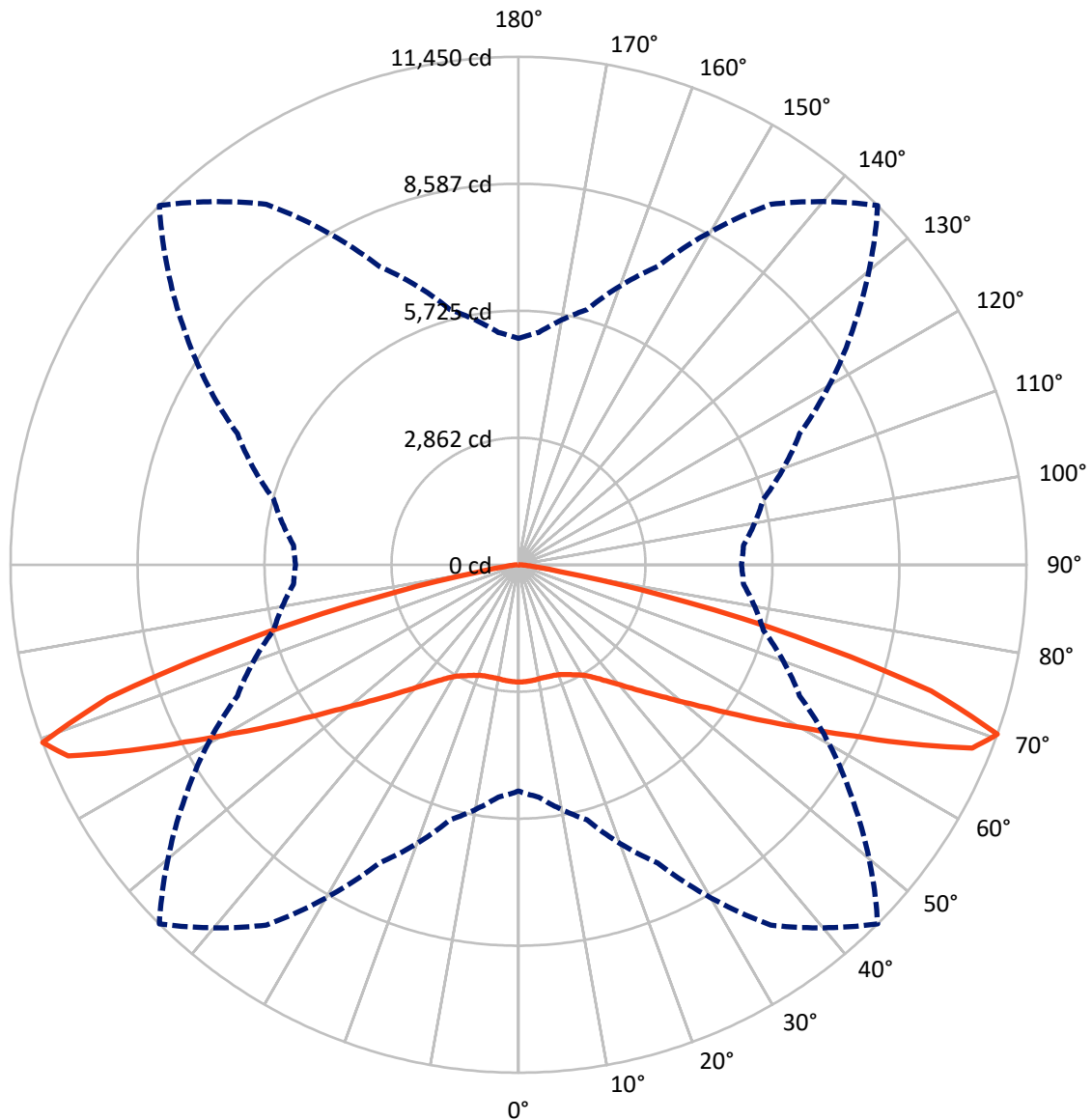
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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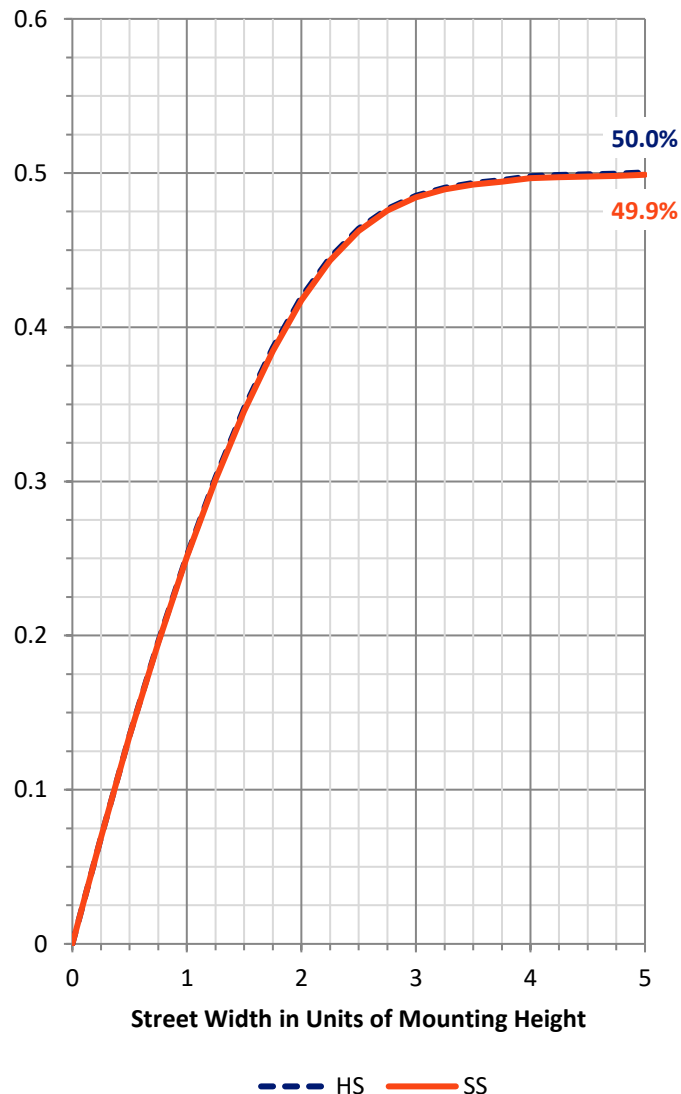
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12108.5	0.0	12108.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12108.5	0.0	12108.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	24217.0	0.0	24217.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.5	1.0
10°-20°	735.4	3.0
20°-30°	1251.9	5.2
30°-40°	1985.5	8.2
40°-50°	3231.0	13.3
50°-60°	5327.3	22.0
60°-70°	7820.6	32.3
70°-80°	3458.3	14.3
80°-90°	156.6	0.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	24217.0	100.0
0°-180°	24217.0	100.0

Coefficient of Utilization

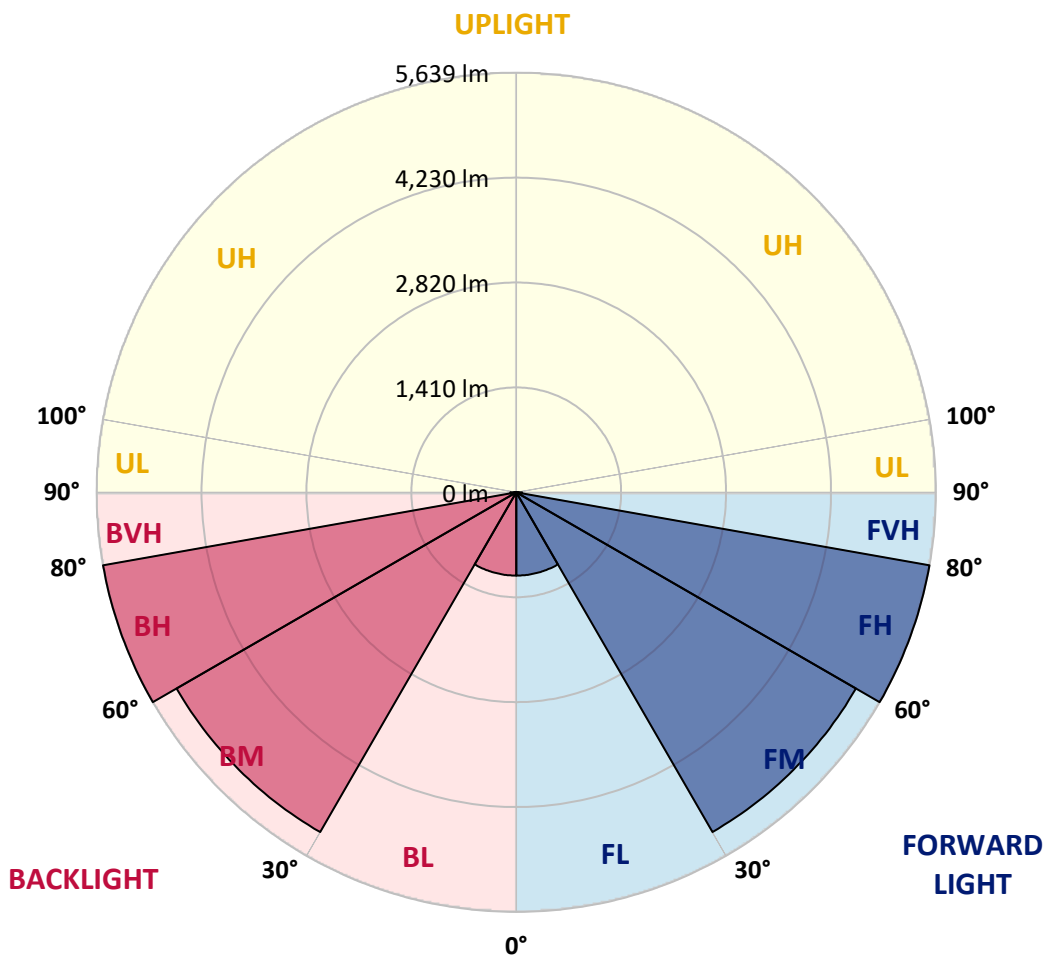


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1118.9	4.6			
FM (30°-60°)	5271.9	21.8			
FH (60°-80°)	5639.4	23.3			G3/7500
FVH (80°-90°)	78.3	0.3			G1/100
BL (0°-30°)	1118.9	4.6	B3/2500		
BM (30°-60°)	5271.9	21.8	B4/8500		
BH (60°-80°)	5639.4	23.3	B5		G3/7500
BVH (80°-90°)	78.3	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2644.9	2644.9	2644.9	2644.9	2644.9	2644.9	2644.9	2644.9	2644.9	2644.9	2644.9
2.5°	2640.9	2638.5	2644.1	2643.3	2638.5	2639.3	2639.3	2641.7	2641.7	2640.1	2640.1
5°	2631.2	2629.6	2636.1	2636.1	2631.2	2632.9	2634.5	2636.9	2636.1	2634.5	2633.7
7.5°	2619.2	2618.4	2624.8	2624.8	2621.6	2623.2	2621.6	2622.4	2620.8	2619.2	2616.8
10°	2599.2	2600.8	2606.4	2608.0	2608.0	2608.8	2607.2	2603.2	2600.8	2598.4	2596.0
12.5°	2580.8	2580.0	2588.0	2592.0	2598.4	2605.6	2600.8	2589.6	2584.8	2580.0	2578.4
15°	2568.7	2569.5	2577.5	2584.8	2596.0	2611.2	2605.6	2588.0	2578.4	2572.7	2571.1
17.5°	2566.3	2567.9	2578.4	2591.2	2603.2	2620.0	2616.8	2599.2	2583.2	2572.7	2570.3
20°	2571.9	2572.7	2588.8	2607.2	2628.0	2644.1	2636.9	2617.6	2596.0	2580.0	2575.9
22.5°	2582.4	2585.6	2605.6	2634.5	2666.5	2688.2	2679.3	2646.5	2612.8	2592.8	2587.2
25°	2615.2	2616.0	2643.3	2682.5	2721.0	2745.9	2735.4	2689.0	2645.7	2623.2	2616.0
27.5°	2683.3	2685.7	2713.0	2758.7	2791.5	2807.6	2801.2	2763.5	2726.6	2702.6	2705.0
30°	2781.9	2785.1	2815.6	2866.1	2886.1	2890.1	2888.5	2870.9	2837.2	2805.2	2807.6
32.5°	2902.1	2903.8	2944.6	2990.3	3006.3	3009.5	3006.3	2990.3	2950.2	2907.0	2909.4
35°	3056.8	3061.6	3100.9	3145.0	3157.8	3164.2	3158.6	3137.8	3096.1	3053.6	3052.0
37.5°	3247.6	3248.4	3289.3	3334.9	3351.0	3352.6	3346.2	3332.5	3280.4	3242.0	3239.6
40°	3468.8	3472.0	3520.1	3569.0	3575.4	3568.2	3577.0	3569.0	3515.3	3471.2	3478.4
42.5°	3738.1	3745.3	3803.0	3851.1	3832.7	3828.7	3834.3	3836.7	3793.4	3739.7	3734.9
45°	4051.5	4057.9	4130.0	4168.5	4156.5	4130.0	4141.2	4160.5	4100.4	4033.8	4040.2
47.5°	4408.9	4425.0	4501.9	4538.0	4508.3	4472.2	4493.9	4522.7	4452.2	4369.7	4365.6
50°	4806.5	4826.5	4929.1	4979.6	4949.9	4883.4	4919.5	4938.7	4836.9	4730.3	4721.5
52.5°	5230.4	5250.5	5379.5	5483.7	5464.5	5361.1	5411.6	5391.5	5274.5	5131.1	5119.8
55°	5710.5	5718.5	5858.0	6026.3	6045.5	5969.4	5966.2	5933.3	5760.2	5594.3	5586.3
57.5°	6204.2	6209.8	6390.2	6588.9	6679.5	6679.5	6589.7	6520.0	6290.0	6097.6	6077.6
60°	6737.2	6757.3	6956.8	7226.9	7438.5	7501.0	7342.3	7152.4	6902.3	6667.5	6644.2
62.5°	7211.7	7234.9	7540.3	7942.6	8282.5	8510.1	8122.2	7812.8	7357.6	6980.9	6936.8
65°	7271.8	7334.3	7779.1	8507.7	9268.3	9722.7	8978.9	8216.7	7387.2	6863.8	6819.0
67.5°	6641.0	6746.8	7347.9	8482.0	10053.7	11029.1	9526.4	7985.9	6855.0	6276.4	6226.7
70°	5103.0	5256.9	5950.2	7419.3	9918.3	11449.9	9183.3	6991.3	5715.3	5092.6	5022.9
72.5°	2799.6	2862.9	3486.4	5080.6	7951.5	9729.9	7659.7	5169.5	3790.2	3084.1	2967.1
75°	888.0	910.5	1227.9	2079.0	4497.9	6444.7	4865.8	2537.5	1397.0	1029.9	1017.9
77.5°	394.3	396.7	444.0	606.7	1549.3	3265.2	1861.0	690.9	476.1	416.0	429.6
80°	249.3	249.3	274.9	300.6	421.6	948.1	503.3	328.6	280.5	260.5	266.1
82.5°	119.4	132.2	178.7	192.4	231.6	319.0	258.1	214.8	187.5	139.5	129.8
85°	78.5	65.7	113.0	127.4	134.6	153.1	149.9	141.9	122.6	69.7	77.7
87.5°	35.3	33.7	58.5	53.7	50.5	38.5	57.7	71.3	68.9	34.5	34.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)